

CLAIMS

1. An emergency power operation apparatus of an elevator in which multiple cars are operated one by one during a power failure by use of an emergency power source, characterized in that the emergency power operation apparatus of an elevator comprises group-management controlling means which causes machines not in firefighter operation to preferentially return to an evacuation floor or a rescue floor when a power failure occurs during firefighter operations during a fire and then makes machines in firefighter operation operational.
2. The emergency power operation apparatus of an elevator according to claim 1, characterized in that in a case where there are multiple machines in firefighter operation after all machines not in firefighter operation have finished returning to an evacuation floor or a rescue floor, if there is a machine at a standstill outside a door zone among the machines in firefighter operation, the group-management controlling means causes this machine at a standstill outside the door zone to preferentially become operational.
3. The emergency power operation apparatus of an elevator according to claim 1, characterized in that the group-management controlling means comprises external information inputting means which inputs external information necessary for travel control of elevators in a group, returning machine deciding means which outputs a return order in consideration of the number of elevators capable of being simultaneously operated among the multiple elevators, a predetermined order of priority and the number of machines in firefighter operation in the group, and continuation machine deciding means which outputs a continuation order in consideration of the number of elevators

capable of being simultaneously operated, a predetermined order of priority, and the number of machines in firefighter operation in the group.

4. The emergency power operation apparatus of an elevator according to claim 3, characterized in that the external information inputting means is such that inputting is performed from the building side by use of an identification contact of emergency power source which is closed when a switchover to an emergency power source occurs during a power failure.

5. The emergency power operation apparatus of an elevator according to any of claims 1 to 3, characterized in that within a car of each machine there is provided means which displays machines in firefighter operation in the group, machines operational by firefighter operation, and positions of cars of other machines.